

BARANOWSKI, Bogdan; FULINSKI, Andrzej

Thermodynamics of two-phase irreversible processes. II. Polythermic
manycomponent systems without chemical reactions. Rocz chemii 35 no.5:
1459-1476 '61.

1. Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw.

BARANOWSKI, B.; POPIELAWSKI, J.

Thermodynamics of irreversible processes in surface systems. I.
Bul chim PAN 10 no.8:445-450 '62.

1. Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw.
Presented by M. Smialowski.

BARANOWSKI, B.

Disintegration of nickel hydride under high pressure. Bul zhim PAN
10 no.8:451-455 '62.

1. Institute of Physical Chemistry, Polish Academy of Sciences,
Warsaw. Presented by M. Smialowski.

BARANOWSKI, Bogdan; POPILANSKI, Jan

Thermodynamics of irreversible processes in two-phase systems. Pt. 2. Roczniki 36 no.11:1683-1697 '62.

1. Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw.

MAZGAJ, Witold; SARNOWSKI, Maciej; BARANOWSKI, Bogdan

Water vapor pressure course in the system $\text{MgSO}_4\text{-H}_2\text{O-CO(NH}_2)_2$
under a temperature of 25°C. Roczniki chemii 37 no. 9: 1089-1092. 1963.

1. Instytut Nawozow Sztucznych, Tarnow.

BARANOWSKI, Bogdan; CUKROWSKI, Andrzej Szczesny

Transfer processes in solid metallic alloys. Archiw hutn 9
no. 1:31-54 '64.

1. Institute of Physical Chemistry, Polish Academy of Sciences,
Warsaw.

BARANOWSKI, B.; ROMOTOWSKI, T.

Nonequilibrium thermodynamics of a multicomponent fluid sytem
with an antisymmetric pressure tensor. Pt. 1. Bul chim PAN
12 no. 1:71-76 '64.

1. Institute of Physical Chemistry, Polish Academy of Sciences,
Warsaw. Presented by M.Smialowski.

BARANOWSKI, B.; ROMOTOWSKI, T.

Nonequilibrium thermodynamics of a multicomponent fluid system with antisymmetric pressure tensor. Pt. 2. Bul chim PAN 12 no. 2: 127-131 '64

1. Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw. Presented by M. Smialowski.

CZARNOTA, J.; BARANOWSKI, B.; ZIELENIWICZ, W.

Characteristics of heat exchange in a differential microcalorimeter.
Bul chim PAN 12 no.3:561-565 '64.

1. Institute of Physical Chemistry of the Polish Academy of
Sciences, Warsaw. Submitted June 11, 1964.

POLAND

KOBUSIEWICZ, T., BARANOWSKI, Cz., and DZIOBKIEWICZ, H.,
Foot and Mouth Disease Department (Zaklad Pryszczycy) of
the Veterinary Institute (Instytut Weterynarii) in Zdziska
Wola (Director: Docent, Dr. Tadeusz KOBUSIEWICZ)

"Studies on the Expiration Term of Quinosol Foot and Mouth
Disease Vaccines."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 5, May,
63, pp 256-257.

Abstract: Authors determined the immunization effectiveness
of stored O and A types of quinosol anti foot and mouth
disease vaccines and found that monovalent O type retained
its effectiveness up to 18 months when kept in cold (+4 to
+7°C) storage and lost its effectiveness after 19 months.
Type A retained its effectiveness after 20 months. Tri-
valent type (A + O + C) was effective against both O and
A type of organism after cold storage of 15 months.
There are no references.

1/1

BAJANOWSKI, B.

Maintenance and repair of cars driven by internal-combustion engines. p. 100.

PIOTR LADKOŃSKI. Warszawa, Poland, Vol. 10, no. 4, April, 1958

Monthly List of East European Accessions (SERIALS), LC, Vol 8, no. 9, September, 1959.
-etc-.

BRANCHET, E.

Maintenance of internal-combustion locomotives. p. 184.
Service of traction and cars; braking devices. p. 188.
More about allowing unqualified people to run locomotives. p. 192,

PEZOGIAD AGENCY LICHANOWCY. Warszawa, Poland. Vol. 10, no. 6, June, 1958.

Monthly List of East European Accessions (LEAI), IC, Vol. 8, no. 9, September, 1959.
Uncl.

РМ 0001, 0002

Repair of parts of combustion engines. (Request for repair)
11 [i.e. 16] no. 64185-186 Je '64

1. Central Management, Industrial Rolling (I.R.) Ltd.,
Moscow.

BARANOWSKI, Edward

Preparation of the Poznan Railroad Rolling Stock Repair Shops
for repair of 2100 HP combustion locomotives. Przegl kolej
mechan 10 [i.e.15] no.12:357-361 D '63.

1. Association of Railway Rolling Stock Repair Plants, Warsaw.

BARANOWSKI, Edward

Organization and technology of repairs of combustion locomotives
in the U.S.S.R. Przegl kolej mechan 15 no.8:217-230 Ag'63

1. Association of Railroad Rolling Stock Repair Shops, Warsaw

BARANOWSKI, Edward

Production of pistons for combustion motors of the Hungarian
Ganz-Mavag Works. Przegl kolej mechan 16 [i.e. 15] no. 7:209-210
Jl '63.

1. Zjednoczenie Zakladow Naprawy Taboru Kolejowego, Warszawa.

BARANOWSKI, Edward

Preparation of the Nowy Sacz Railroad Rolling Stock Repair Shops for repairing combustion locomotives. Przegl kolej mechan 11 [i.e. 16] no.4:126-128, 3 of cover Ap '64.

1. Association of Railroad Rolling Stock Repair Shops, Warsaw.

BARANOWSKI, J.

"Soviet telecommunication in the service of communism." p. 365,
(PRZEGLAD TELEKOMUNIKACYJNY Vol. 27, No. 12, Dec. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4.
April 1955. Uncl.

BARANOWSKI, J.

Bezpieczna obsługa radiowęzła. (Wyd. 1.) Warszawa, Państwowe Wydawn.
Techniczne, 1955. 78p. (Biblioteka radiomechanika) (Safe servicing
of the radio network. 1st ed. illus., bibl., diags.)

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3,
March 1956

L 31539-66 ETC(f)/T EMP(t)/ETI IJP(c) RDW/JD

ACC NR: AP5010792

SOURCE CODE: PO/0053/66/000/003/0111/0117

AUTHOR: Baranowski, J.; Dziuba, Z.; Galazka, R.; Gariat, W.; Szymanska, W.
Zakrzewski, T. 67 62 63

ORG: Institute of Experimental Physics, Warsaw University (Instytut Fizyki Doswiadczal-
nej Uniwersytetu Warszawskiego); Physics Institute, PAN (Instytut Fizyki, PAN)

TITLE: Electrical and photomagnetic properties of single crystals of the $Cd_xHg_{1-x}Te$ semiconductor system 18 27

SOURCE: Przegląd elektroniki, no. 3, 1966, 111-117

TOPIC TAGS: single crystal, crystal property, semiconductor crystal, electric property, photomagnetic effect

ABSTRACT: The paper presents some results of investigations on the $Cd_xHg_{1-x}Te$ system. Single crystals of $x = 0.00, 0.05, 0.10$, and 0.15 were used for the investigations. The dependence of electrical conductivity δ and the Hall constant R_H on temperature in the range from $4.2K$ to $400K$ was investigated. The dependence of R_H and δ on magnetic field intensity was also measured. The materials investigated show a high electron mobility; the maximal values of electron mobilities are of the order of $10^5 cm^2/Vsec$. Mobility increases with increasing x and attains its maximum values for x at about 0.1 . In these materials, at temperatures below room temperature there is a very strong dependence of R_H and δ on magnetic field intensity. It was determined that for $x = 0.00$ the width of the forbidden energy gap at the temperature of absolute zero is $E_g = 0 \pm 0.0003 eV$. For $x > 0$, $E_g > 0$, and $x = 0.05$ it is $E_g = 0.015 eV$,

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ACC NR: AP6010792

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and for $x = 0.15$, $E_g = 0.06$ eV. The photomagnetic effect was investigated at room temperature. High sensitivity to infrared radiation was established. The material with $x = 0.10$ is sensitive to radiation from the visible range to wavelength of 10 microns. It was also established that the photomagnetic effect for $x = 0.10$ depends on the frequency of incident radiation. This dependence is caused by the appearance of a thermal component (Nernst effect). The experimental results are presented in the form of curves and compared with published data. The results are discussed in detail in the light of existing literature. The authors thank Prof. L. Sosnowski for his interest in this work and discussions. The authors also thank Docent Dr. W. Wardzynski, J. Ginter, Dr. J. Mycielski, and Dr. J. Rauluszkiewicz for valuable comments they made in the course of this investigation. Orig. art. has: 7 figures.

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 006 / SOV REF: 002

Card 2/2 L C

BARANOWSKI, Jerzy

Pulse properties of avalanche transistors. Przegl elektroniki
3 no.7:379-382 J1 '62.

1. Katedra Podstaw Telekomunikacji, Politechnika, Warszawa.

BARANOWSKI, Jerzy

Multivibrator with capacity emitter coupling. Przegl telekom
35 [i.e. 36] no. 7:195-200 J1 '63.

1. Katedra Układow Elektronicznych, Politechnika, Warszawa.

BARANOWSKI, Jerzy

Avalanche ionization multiplication in semiconductor elements.
Rozpr elektrotech 9 no.4:647-677'63.

FILIPSKI, Ignacy. Rekombinacja Jerzy; WARSZYŃSKI, Wiesław

Recombination radiation in GaAs. Przegl elektronik. 6 no.1:
194-204 Jan '65.

BARANOWSKI, Jozef

Possibilities of securing the utilization of crushed stone in the southern part of the Katowice Voivodeship. Przegl geol 10 no.10:511-513 0 '62.

1. Zaklad Zloz Surowcow Skalnych, Instytut Geologiczny, Warszawa.

L 38155-65 EWT(1)/EWT(m)/T/ENP(t)/ENP(b)/ENA(h) P1-4/P2-6/Peb 3- (c)
 ACCESSION NR: AP5005859 JD/JG/AT P/0053/65/000/001/0029/0034

AUTHOR: Filinski, I.; Baranowski, J.; Wardzynski, W. 52
 B

TITLE: Recombination radiation in GaSb

SOURCE: Przegląd elektroniki, no. 1, 1965, 29-34

TOPIC TAGS: ²¹gallium ²¹antimonide, recombination radiation, semiconductor laser, photoluminescence, ²¹electroluminescence, infrared radiation

ABSTRACT: The paper presents the preliminary results of an experimental investigation of photoluminescence and electroluminescence from a p-n junction in GaSb, made at the Katedra fizyki ciała stałego Uniwersytetu Warszawskiego (Solid-State Physics Department of Warsaw University) from the standpoint of using this material for semiconductor lasers. The method of obtaining pure GaSb (direct reaction in a graphite boat at 800C inside a quartz ampul filled with hydrogen under a few cm Hg pressure) is described. Final purification was obtained by zone refining (150 passes during 150 hours). The final material had a hole concentration of $1.2-1.5 \times 10^{17} \text{ cm}^{-3}$ and a hole mobility of 700-900 $\text{cm}^2 \text{ v}^{-1} \text{ sec}^{-1}$. The material was then doped with Zn, Cd, S or oxygen; n-type material was obtained by doping with selenium and tellurium. The method of producing p-n junctions by alloying is described, and photographs of the junctions obtained are shown.
 Cord 1/22

L 38155-65

ACCESSION NR: AP5005859

The system for the measurement of the relative intensity of photoluminescence is described in some detail; measurements were made using the pulse technique and a phase-type pulse detector. For the light source, a high-pressure dc mercury lamp was used. No results of the measurement of relative photoluminescence are given. The system for the measurement of electroluminescence is also described. Fig. 1 of the Enclosure shows the spectral distribution of electroluminescence for small current densities, both at room temperature and at 80K. Other studies showed that the intensity of electroluminescence increases exponentially with an increase in current density through the junction. Fig. 2 shows the spectral distribution of electroluminescence at the temperature of liquid nitrogen. The author concludes that the p-n junctions investigated represent an efficient, although low-power, point source of infrared radiation in the interval around 40 Mev. that can be easily modulated. Orig. art. has: 7 figures. [08]

ASSOCIATION: none

SUBMITTED: 00

ENCL: 02

SUB CODE: SS, OP

NO REF SOV: 000

OTHER: 007

ATD PRESS: 3222

Cord 2/4

P/516/62/000/026/003/005

AUTHOR: Baranowski, Jerzy

TITLE: Rise time in a blocking generator with a junction transistor

SOURCE: Warsaw. Politechnika. Zeszyty naukowe. no. 61. 1962. Elektryka.
no. 26. 27 - 41

TEXT: The rise time in a transistor blocking generator is analyzed under the assumption of negligible transformer loss and negligible winding self and mutual capacitance. The analysis is aimed at facilitating the design of blocking generators of flat-top pulses without oscillations, something more readily accomplished with a transistor than with a vacuum tube, although the latter yields steeper fronts. In the case of a transistor generator, the rise time depends on the properties of both the transistor and the transformer. A typical generator is chosen and its equivalent circuit is analyzed using the parameters of an ideal transistor. The rise time is first determined for a circuit with an ideal transformer, after which allowances are made for the load and for the stray inductance. The characteristic equation obtained for

Card 1/2

Rise time in a blocking generator...

P/516/62/000/026/003/005

for the equivalent circuit in the latter case is solved graphically to find the rise time. The effect of the transformer main inductance is evaluated. For a transistor Q between 10 and 30, the optimal unloaded transformer turns ratio is 3 to 4, so that a ratio between 4 and 6 is recommended, to allow for loading and for stray inductance. The use of ferrite cores is recommended for high frequencies. Tests made with transistors having cutoff frequency up to 7 Mcs have yielded rise times some 30 to 40 % higher than those obtained by calculation. There are 17 figures and 3 tables.

ASSOCIATION: Politechnika Warszawska, Katedra Podstaw Telekomunikacji
(Warsaw Polytechnic Institute, Department of Principles of
Telecommunications).

Card 2/2

BARANOWSKI, Jozef

Prospects of utilizing the sources of natural aggregate at the site of the terraces of the upper Vistula River in the region of Skoczow, Kaniow, and Czechowice. Kwartalnik geol 5 no.4:963-965 '61.

1. Zaklad Zloz Surowcow Skalnych, Instytut Geologiczny, Warszawa.

POLAND

BARANOWSKI, Jacek; DZIUBA, Zbigniew; GALAZKA, Robert; GIRIAT, Witold;
SZYMANSKA, Wanda; ZAKRZEWSKI, Tadeusz

1. Institute of Experimental Physics, University of Warsaw
(Instytut Fizyki Doswiadczalnej Uniwersytetu Warszawskiego)
- (for ?) 2; Institute of Physics, Polish Academy of Sciences
(Instytut Fizyki, Polskiej Akademii Nauk) - (for ?)

Warsaw, Przegląd elektroniki, No 3, March 1966, pp 111-117

"Electric and photomagnetic properties of the $Cd_xHg_{1-x}Te$ single crystals."

BARANOWSKI, Lech, mgr

Development of the metal industry in the city of Lodz. Przegl
mech 22 no.7/8:202-203 10-25 Ap '63.

1. Chairman, Economic Planning Commission of the city of Lodz.

WIEWIOROWSKI, M.; BARANOWSKI, P.

Amine oxides of lupin alkaloids, Pts. 1-3. Biul chim PAN 10 no.10:
'537-553 '62.

1. Department of Organic Chemistry, Adam Mickiewicz University, Poznan,
and Department of Materials Science, School of Economics, Poznan.
Presented by J. Suszko.

BARANOWSKI, P.; WIEWIORSKI, M.

Amino oxides of lupin alkaloids. Pt.4. Bul chim PAN 12 no.11:
761-766 '64.

1. Department of Material Science of the School of Economics,
Poznan, and Department of Organic Chemistry of A.Mickiewicz
University, Poznan. Submitted August 24, 1964.

RAFALOWICZ, Jan, mgr inz.; BARANOWSKI, Pawel, mgr inz.

Problems of shifting toward the contact with the surface being ground. Mechanik 35 no.10:547-551 0 '62.

1. Politechnika, Lodz (for Rafalowicz). 2. Lodzkie Zaklady Radiowe, Lodz (for Baranowski).

L 36905-66 RO

ACC NR: AP6027104

(N)

SOURCE CODE: PO/0099/66/040/001/0073/0081

AUTHOR: Baranowski, Przemyslaw; Wiewiorowski, Maciej; Lompa-Krzymien, Ludmila

42

B

ORG: Department of Materials Science, School of Economics, Poznan (Katedra Towaroz-
nawstwa Wyzszej Szkoły Ekonomicznej); Department of Organic Chemistry, University in.
A. Mickiewicz, Poznan (Katedra Chemii Organicznej Uniwersytetu)

TITLE: Amine oxides of lupin alkaloids. V. Reaction of lupanine amine oxide with
acetic anhydride. A new method of isomerization of lupanine to alpha-isolupanine

SOURCE: Roczniki chemii - annales societatis chimicae polonorum, v. 40, no. 1,
1966, 73-81

TOPIC TAGS: amine, alkaloid, isomerization, chemical reaction, chemical composition,
chemistry technique

ABSTRACT: Acetic anhydride has been found to transform the amine oxide of lupanine
to Δ^{11} -dehydrolupanine. To study the effect of the reaction conditions on the compo-
sition of the post-reaction mixture, a new highly accurate method has been worked out
for determination of lupanine and α -isolupanine. A new method of isomerization of
lupanine to α -isolupanine is described. Orig. art. has: 5 figures and 1 table.
[Based on authors' Eng. abst.] [JPRS: 35,397]

SUB CODE: 07 / SUBM DATE: 13Aug65 / ORIG REF: 005 / OTH REF: 007

LS

Card 1/1

BARANOWSKI, S., inz.

The central standard office at the Central Laboratory of
Control Apparatus and Optics. Pomiary 8 no.5:252 My '62.

BARANOWSKI, S.

"Problems of aerologic formations, circulation, and climate of the free atmosphere of the Central Arctic and antarctic" by S.S.Gajgierow [Gaygerov, S.S.]. Reviewed by S.Baranowski. Przegl geofiz 8 no.4:257-259 '63.

REF: 10, 11, 12; PAVLOVSKI, Stanislav

Patent application for the use of milk of cows in beginning
and the end of pregnancy. (The physical. no. 10 no. 1)
466-223 (1961) 1 65

1. Institute of Zoology and Veterinary Medicine of the Academy of Sciences
of the USSR (Microbiology Institute: doc. dr. A. A. Kabanov).

WIECZOREK, Jadwiga; SZERSZEN, Leszek; KRZYWY, Tadeusz; BARANOWSKI, Stanislaw.

The occurrence of Actinomycetes in the region of the Weren-
skiold glacier (SW Spitsbergen) in relation to ecologic
factors. Arch. immun. ther. exp. 12 no.1:14-24 '64

1. Department of Antibiotics, Institute of Immunology and
Experimental Therapy, Polish Academy of Sciences, Wroclaw;
Chair of Pedology of the Higher Agricultural School, Wroc-
law; Chair and Observatory of Meteorology and Climatology,
University of Wroclaw.

*

BAKANOWSKI, Stanislaw

Jan Jarema Rdultowski, March 1, 1933-August 10, 1963.
Przegl geofiz 9 no. 2:173-174 '64.

BARANOWSKI, T.

Metabolism of phosphorus during glycolysis and glycogenolysis. G. Hevesy, T. Baranowski, A. J. Guthke, P. Ostern and J. K. Parnas. *Acta Biol. Expil.* (Warsaw) 17, 34-9 (1958). - Radioactive P was used as an indicator in Embden ester and phosphoglyceric, hexosediphosphoric, adenosinetriphosphoric and adenylic acids. Embden ester from glycogen and dialyzed rabbit-muscle ext. is formed from inorg. phosphate. The H_2PO_4 group of Embden ester is transferred to adenylic acid during glycogenolysis. P is transferred without an inorg. intermediary during the synthesis of adenosinetriphosphoric acid from adenylic acid and phosphoglyceric acid. B. C. P. A.

ASB-SLA METACOLOGICAL LITERATURE CLASSIFICATION

BARONOWSKI, F.

Phosphorus transmitting enzymes in muscle extracts
F. Baronowski, *Ann. Rev. Physiol.* 12, 122-133 (1950). (cf. C. A. 33, 601). Two enzymes are held responsible for the transmission of the P groupings from phosphopyruvic acid to much adenylic acid.

R C P A

BARANOWSKI, T.

Plan for biochemical research. Polski tygod.lek. 5 no.33-34:1193-
1196 21 Aug 50. (CJML 20:6)

BARANOWSKI, T.

Selected problems in the chemistry and biology of proteins. Acta
physiol. polon. 3 Suppl. 3: 97-125 1952. (CLML 24:1)

1. Of the Institute of Physiological Chemistry (Head--Prof. T. Baran-
owski, M.D.) of Wroclaw Medical Academy.

BARANOWSKI, T.

Cristalized proteins from the rabbit's liver. Acta physiol. polon.3
Suppl. 3: 155-157 1952. (CLML 24:1)

1. Of the Institute of Physiological Chemistry (Head--Prof. T. Baranowski, M.D.) of Wroclaw Medical Academy.

BARANOWSKI, T.; MORAWIECKI, A.

New agents for preventing thermal coagulation of proteins. Acta
physiol. polon. 3 Suppl. 3: 159-161 1952. (CLML 24:1)

1. Of the Institute of Physiological Chemistry (Head--Prof. T. Baranow-
ski, M.D.) of Wroclaw Medical Academy.

BARANOWSKI, T.;POPOWICZ, J.

Subcutaneous test for biological activity of ACTH. Acta physiol. polon.
3 Suppl. 3: 229-231. 1952. (CML 24:1)

1. Of the Institute of Physiological Chemistry (Head--Prof. T. Baranowski, M.D.) of Wroclaw Medical Academy.

BARANOWSKI, T.;MOCHNACKA, I.

The influence of ACTH on the level of dihydroascorbic acid in the blood. Acta physiol. polon. 3 Suppl. 3:231-232 1952. (CML 24:1)

Of the Institute of Physiological Chemistry (Head--Prof. T. Baranowski, M.D.) of Wroclaw Medical Academy.

BARANOWSKI, T.

Adrenocortical function. Postepy hig. med. doswiadc., Warsz. 5 no.45-66
1952. (CIML 23:2)

GIBINSKI, K.; BARANOWSKI, T.; MEJBAUM-KATZENELLENBOGEN, W.; BOGDANIKOWA, B.;
KOWALOWNA, B.

Original investigation of application of ACTH in internal medicine.
Polski tygod. lek. 7 no. 33-34:997-1008 25 Aug 1952. (CLML 23:5)

1. Of the Third Internal Clinic (Head--Prof. E. Szczeklik, M.D.) and
of the Institute of Physiological Chemistry (Head--Prof. T. Baranowski,
M. D.), Wroclaw Medical Academy.

BARANOWSKI, T.; MORAWIECKI, A.; MEJBAUM-KATZENELLENBOGEN, W.; POPOWICZ, J.,
LISOWSKA, E.

Attempted purification of active peptide from hydrolysates of acid
ACTH. Acta physiol. polon. 5 no.4:567-570 1954.

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej we Wroclawiu.
Kierownik: prof. dr. T. Baranowski.

(ACTH,

isolation of active peptide from hydrolysates of acid ACTH)

(PEPTIDES, determination,

isolation from hydrolysates of acid ACTH)

BARANOWSKI, T.

Separation of proteins of the anterior pituitary. Acta physiol.
polon. 5 no.4:570-571 1954.

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej we Wroclawiu.
Kierownik: prof. dr T. Baranowski.
(PROTEINS, determination,
in pituitary gland, anterior)
(PITUITARY GLAND, ANTERIOR, metabolism,
proteins, determ.)

Country : POLAND
Category: Human and Animal Physiology. Blood.
Blood Groups

T

Abs Jour: RZhBiol., No 12, 1958, 88686

Author : Baranowski, T.; Lasowska, E.; Romanowska, E.
Inst : -
Title : Investigation of Group Antigens M and N.I.
Attempted Isolation of Group Antigens M and N
from Erythrocytes.

Orig Pub: Arch. immunol. i terap. doswiadc , 1956, (1957),
4, 45-52

Abstract: The conditions of isolation of group antigens
M and N from erythrocytes were investigated.
Active suspensions of insoluble group bodies were
obtained. Water soluble group antigens M and N,

Card : 1/2

T-22

T

Country : POLAND
Category: Human and Animal Physiology. Blood.
Blood Groups.

Abs Jour: RZhBiol., No 19, 1958, 88687

Author : Baranowski, T.; Lisowska, E.; Rommowska, E.
Inst : -
Title : Investigation of Group Antigens M and N. II.
Transition in Vitro of Group Characteristics
M and N into MN.

Orig Pub: Arch. immunol. i terap. doswiadc., 1956 (1957)
4, 53-56

Abstract: Group characteristics of MN replaced those of M or
N following hemolysis of erythrocytes with ethyl
alcohol, preservation of the erythrocytes' stroma

Card : 1/2

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21(8)

PHASE I BOOK EXPLOITATION POL/2380

Wrocławskie Towarzystwo Naukowe

Izotopy; cztery odczyty o zastosowaniach (Isotopes; Four Lectures on Their Application) [Wrocław] Państwowe wydawnictwo naukowe, 1957. 73 p. 2,000 copies printed.

Ed.: Jan Mergentaler.

PURPOSE: This publication is intended for both physicists and interested laymen.

COVERAGE: The collection of articles represents a series of lectures delivered at the Conference on the Use of Isotopes in Science and Technology organized by the Wrocławskie Towarzystwo Naukowe (Wrocław [Breslau] Science Association) at the Politechnika Wrocławska (Wrocław Polytechnic Institute), Nov. 5, 1955. The introduction was given by the chairman of the Association, Professor Doctor Stanisław Kulczyński. The text of the four lectures is given in this volume. The discussions which followed these lectures are not given. No references are given.

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Isotopes (Cont.)

POL/2380

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Trzebiatowski, Wlodzimierz. Radioactive Chemical Elements. This paper contains basic information about radioisotopes, their properties and preparation.	7
Baranowski, Tadeusz. Use of Isotopes in Biology This is a brief review of the development of isotopic methods in biological research.	17
Moscicki, Wlodzimierz. Isotopic Analysis in Absolute Chronology The author reviews methods used in age determination with the aid of radioactive isotopes, uranium dating, carbon C-14 dating, and other methods.	31
Hurwic, Jozef. Use of Isotopes as Presented by the Geneva Conference, With Particular Attention to Radiochemistry This paper is a brief summary of the discussions on the use of isotopes held at the International Conference on the Peaceful Use of Atomic Energy, Geneva, August 1955. The author mentions the fact that the Soviet	61

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Isotopes (Cont.)

POL/2380

. contributed radioactive isotopes for the Polish research program.

AVAILABLE: Library of Congress

Card 3/3

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BARANOWSKI
BARANOWSKI, Tadeusz

Studies on leukergy during insulin treatment of schizophrenia.
Neur. & polska 7 no.6:837-839 Nov-Dec 57.

1. Z Kliniki Psychiatrycznej A. M. w Bialymstoku. Kierownik: prof.
dr L. Korzeniowski.

(SCHIZOPHRENIA, ther.

insulin shock, determ. of leukergy (Pol))

(SHOCK THERAPY, INSULIN, in various dis.

schizophrenia, determ. of leukergy (Pol))

(LEUKOCYTES

leukergy in schizophrenia during & after insulin shock
ther. (Pol))

EXCERPTA MEDICA Sec 8 Vol 12/7 Neurology July 59

3567. INVESTIGATIONS ON LEUKERGIA IN SCHIZOPHRENIC CASES TREATED BY ELECTROSHOCK - Badania nad leukergią u chorych na schizofrenię leczonych elektrowstrząsami - Baranowski T. Klin. Psychiat. A. M., Białymstok - NEUROL. NEUROCHIR. PSYCHIAT. - POL. 1957, 7/6 (841-843)
Tables 1

The author investigated 9 schizophrenic cases before and after ECT. The leukergic test in these cases was always normal before the treatment - it never surpassed 3%. In the blood collected 5 to 10 min. after ECT and 3 to 4 hr. after this procedure there was no increase in leukergia. In all of them, however, a distinct increase of leukergia was found 3 to 4 hr. after ECT.

EXCERPTA MEDICA Sec 8 Vol 12/12 Neurology Dec 59

6115. INVESTIGATIONS OF LEUKERGIA IN CASES WITH A FORMER SKULL TRAUMA -
Badania nad leukergią u chorych z przebyłym urazem czaszki - Baranowski T. Klin.
Psychiat. A. M., Białystok - NEUROL. NEUROCHIR. PSYCHIAT. POL. 1957, 7/6 (845-
847) Tables 1

In 8 cases with a previous skull trauma (sometimes very old) an increase in leukergia occurred.
In some cases the clinical picture showed schizophrenic-like symptoms. In all cases, neurologic-
al examinations, including the CSF, was negative. (VIII, 19*)

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(BIOCHEMISTRY)
(GENETICS)

BARANCZYSKI, T.
SURNAME, Given Names

Country: Poland

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Affiliation: /Presumed: Ludwik Hirszfeld Institute of Immunology and Experimental Therapy (Instytut Immunologii i Terapii Doświadczalnej im. Ludwika Hirszfelda), Polish Academy of Sciences (PAN-Pol

Source: Akademia Nauk), Wrocław; Director: Prof. Stefan SLOPEK, Dr.

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POPADIUK, L.

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Abs Jour : Ref Zhur-Biol., No 1, 1958, 2745

Author : Baranowsky C.

Inst : Not given

Title : Diagnostics of the Types of Foot and Mouth
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Orig Pub : Med. veteryn., 1956, 12, No 7, 395-396

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POLAND / Analytical Chemistry. Analysis of
Inorganic Properties.

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Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 64171

Author : Baranska Halina

Inst : Not given

Title : Flame Photometric Determination of Successive
Quantities of Lithium, Sodium, Potassium and
Calcium.

Orig Pub: Chem. anal., 1957, 2, N1 2, 138-148

Abstract: The determination of Li, Na, K and Ca in a
flame Tseys photometer (Model III) is described.
The influence of the anions Cl⁻, Br⁻ and NO₃⁻ on
the results of the determination of Li, as well as

Dept. Tech. Physics, Inst. Gen. Chem., Warsaw.

Card 1/2

POLAND / Analytical Chemistry. Analysis of
Inorganic Properties.

E

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 64171

Abstract: the reciprocal influence of Li, K, Na and Ca, was studied. It was established that within the minimum concentration the reciprocal influences of these elements do not cause errors of analysis. During higher concentrations positive errors appear, in all probability conditioned, by the low selectivity of the filters as well as by the reciprocal influence of the elements. The determined concentration (in parts per million) is Li 0.1-10, Na 1-100, K 0.15-100, Ca 5-100.

Card 2/2

32

POLAND / Analytical Chemistry. Analysis of Inorganic Substances. E

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11474.

Author : Baranska, H.

Inst : Not given.

Title : The Determination of Traceable Quantities of Lithium, Sodium, Potassium and Calcium in Graphites by a Method of Flame Photometry.

Orig Pub: Chem. analit., 1957, 2, No 3, 229-239.

Abstract: A finely pulverized analyzable specimen of graphite (20 g) is burned in an atmosphere of O₂ at 800°. The ashes are dissolved in a mixture of 4 ml. of F and 1 ml of HClO₄; the solution is evaporated over a hot water bath, and the residue is diluted with water to 25 ml. Each determination

Card 1/3

POLAND / Analytical Chemistry. Analysis of Inorganic Substances. E

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11474.

Abstract: requires three similar treatments. In the air-acetylene flame, spectra stimulate and register on the Zeiss photometer (Model III), equipped with filters: Li, 67 I; Na, 59; K, 77, and Ca, 63 I. It has been ascertained that a temperature change of the combustion of graphite in the range of 600-800° does not effect the results of the analysis. The interfering influence of chlorine and sulphur compounds are confined to the error of the analysis. On the basis of the results, obtained by the combustion of the same graphite 24 times, the error of the determination of the separate elements has been calculated to be (in percentages): Li, $\pm$ 2.5; Na, $\pm$ 6.3; K, $\pm$ 2.5,

Card 2/3

10

POLAND / Analytical Chemistry. Analysis of Inorganic Substances. E

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11474.

Abstract: and Ca, / 2.5. The sensitivity of the determination is (in percentages): Li, $5 \cdot 10^{-5}$; Na, $3.9 \cdot 10^{-4}$, Na, $3.9 \cdot 10^{-4} - 4.5 \cdot 10^{-4}$, K, $6.2 \cdot 10^{-4} - 6.8 \cdot 10^{-4}$, and Co, $7.3 \cdot 10^{-3} - 7.8 \cdot 10^{-3}$. -- E. Il'ina.

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(MYXOMA diag)

(HEART neopl)

(HEART FAILURE CONGESTIVE diag)

(ENDOCARDITIS diag)

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MIECZNIKOWSKI, Andrzej; MARKIEWICZ, Jan; BIENIASZ, Andrzej; BARANSKA, Renata

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(HEMORRHAGE POSTPARTUM)

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(HYSTERECTOMY blood) (BLOOD VOLUME)
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N.M.; LIKHTIK, O.G. [Likhtyk, O.H.]; BARANSKAYA, S.F.
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